

**Table C2. World Total Energy Consumption by Region and Fuel, Low Economic Growth Case, 1990-2030**  
**(Continued)**  
 (Quadrillion Btu)

Region/Country	History			Projections					Average Annual Percent Change, 2003-2030
	1990	2002	2003	2010	2015	2020	2025	2030	
<b>Non-OECD (Continued)</b>									
<b>Middle East</b>									
Oil . . . . .	7.2	10.5	10.8	11.9	12.4	12.7	12.8	13.2	0.7
Natural Gas . . . . .	3.8	8.0	8.2	11.4	12.8	14.3	16.0	18.0	2.9
Coal . . . . .	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
Nuclear . . . . .	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	—
Other . . . . .	0.1	0.2	0.2	0.6	0.6	0.7	0.7	0.7	4.0
<b>Total . . . . .</b>	<b>11.3</b>	<b>19.1</b>	<b>19.6</b>	<b>24.3</b>	<b>26.3</b>	<b>28.1</b>	<b>30.0</b>	<b>32.3</b>	<b>1.9</b>
<b>Africa</b>									
Oil . . . . .	4.3	5.4	5.5	7.3	7.6	7.7	7.9	8.3	1.5
Natural Gas . . . . .	1.5	2.6	2.7	3.5	4.6	5.5	6.3	7.2	3.7
Coal . . . . .	3.0	3.7	4.1	5.1	5.7	5.8	5.8	5.9	1.4
Nuclear . . . . .	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.7
Other . . . . .	0.6	0.9	0.9	1.1	1.1	1.1	1.1	1.1	0.9
<b>Total . . . . .</b>	<b>9.5</b>	<b>12.8</b>	<b>13.3</b>	<b>17.1</b>	<b>19.2</b>	<b>20.2</b>	<b>21.3</b>	<b>22.8</b>	<b>2.0</b>
<b>Central and South America</b>									
Oil . . . . .	7.7	10.8	10.8	12.1	12.9	13.3	14.0	14.7	1.2
Natural Gas . . . . .	2.2	3.8	4.1	5.8	6.9	7.7	8.7	9.6	3.2
Coal . . . . .	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.3	2.1
Nuclear . . . . .	0.1	0.2	0.2	0.2	0.4	0.3	0.4	0.3	0.5
Other . . . . .	3.9	5.7	6.0	7.8	8.6	9.6	10.7	11.7	2.5
<b>Total . . . . .</b>	<b>14.5</b>	<b>21.3</b>	<b>21.9</b>	<b>27.1</b>	<b>29.8</b>	<b>32.2</b>	<b>35.1</b>	<b>37.5</b>	<b>2.0</b>
<b>Total Non-OECD</b>									
Oil . . . . .	52.7	63.3	65.1	79.0	84.8	89.9	94.4	99.9	1.6
Natural Gas . . . . .	38.0	44.7	47.2	61.1	69.4	77.6	86.1	94.8	2.6
Coal . . . . .	45.9	51.8	54.8	76.4	86.7	94.2	101.9	110.1	2.6
Nuclear . . . . .	3.1	4.0	4.2	5.5	7.0	8.7	10.0	10.6	3.5
Other . . . . .	10.3	14.6	15.2	23.0	24.9	26.4	28.6	30.8	2.6
<b>Total . . . . .</b>	<b>150.0</b>	<b>178.4</b>	<b>186.4</b>	<b>244.9</b>	<b>272.9</b>	<b>296.8</b>	<b>321.0</b>	<b>346.2</b>	<b>2.3</b>
<b>Total World</b>									
Oil . . . . .	136.1	158.7	162.1	180.5	188.3	194.7	201.1	209.4	1.0
Natural Gas . . . . .	75.2	95.9	99.1	117.5	131.2	143.6	153.8	165.4	1.9
Coal . . . . .	89.4	96.8	100.4	125.2	136.8	145.7	156.0	166.4	1.9
Nuclear . . . . .	20.4	26.7	26.5	28.9	30.8	32.8	33.9	34.6	1.0
Other . . . . .	26.3	32.2	32.7	44.5	46.8	48.8	52.0	54.9	1.9
<b>Total . . . . .</b>	<b>347.3</b>	<b>410.3</b>	<b>420.7</b>	<b>496.5</b>	<b>533.9</b>	<b>565.5</b>	<b>596.8</b>	<b>630.6</b>	<b>1.5</b>

Notes: Energy totals include net imports of coal coke and electricity generated from biomass in the United States. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 2003* (May-July 2005), web site [www.eia.doe.gov/iea/](http://www.eia.doe.gov/iea/). **Projections:** EIA, *Annual Energy Outlook 2006*, DOE/EIA-0383(2006) (Washington, DC, February 2006), AEO2006 National Energy Modeling System, run LM2006.D113005A, web site [www.eia.doe.gov/oiaf/aeo/](http://www.eia.doe.gov/oiaf/aeo/); and System for the Analysis of Global Energy Markets (2006).

**Table C2. World Total Energy Consumption by Region and Fuel, Low Economic Growth Case, 1990-2030**  
**(Continued)**  
 (Quadrillion Btu)

Region/Country	History			Projections					Average Annual Percent Change, 2003-2030
	1990	2002	2003	2010	2015	2020	2025	2030	
<b>Non-OECD (Continued)</b>									
<b>Middle East</b>									
Oil . . . . .	7.2	10.5	10.8	11.9	12.4	12.7	12.8	13.2	0.7
Natural Gas . . . . .	3.8	8.0	8.2	11.4	12.8	14.3	16.0	18.0	2.9
Coal . . . . .	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
Nuclear . . . . .	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	—
Other . . . . .	0.1	0.2	0.2	0.6	0.6	0.7	0.7	0.7	4.0
<b>Total . . . . .</b>	<b>11.3</b>	<b>19.1</b>	<b>19.6</b>	<b>24.3</b>	<b>26.3</b>	<b>28.1</b>	<b>30.0</b>	<b>32.3</b>	<b>1.9</b>
<b>Africa</b>									
Oil . . . . .	4.3	5.4	5.5	7.3	7.6	7.7	7.9	8.3	1.5
Natural Gas . . . . .	1.5	2.6	2.7	3.5	4.6	5.5	6.3	7.2	3.7
Coal . . . . .	3.0	3.7	4.1	5.1	5.7	5.8	5.8	5.9	1.4
Nuclear . . . . .	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.7
Other . . . . .	0.6	0.9	0.9	1.1	1.1	1.1	1.1	1.1	0.9
<b>Total . . . . .</b>	<b>9.5</b>	<b>12.8</b>	<b>13.3</b>	<b>17.1</b>	<b>19.2</b>	<b>20.2</b>	<b>21.3</b>	<b>22.8</b>	<b>2.0</b>
<b>Central and South America</b>									
Oil . . . . .	7.7	10.8	10.8	12.1	12.9	13.3	14.0	14.7	1.2
Natural Gas . . . . .	2.2	3.8	4.1	5.8	6.9	7.7	8.7	9.6	3.2
Coal . . . . .	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.3	2.1
Nuclear . . . . .	0.1	0.2	0.2	0.2	0.4	0.3	0.4	0.3	0.5
Other . . . . .	3.9	5.7	6.0	7.8	8.6	9.6	10.7	11.7	2.5
<b>Total . . . . .</b>	<b>14.5</b>	<b>21.3</b>	<b>21.9</b>	<b>27.1</b>	<b>29.8</b>	<b>32.2</b>	<b>35.1</b>	<b>37.5</b>	<b>2.0</b>
<b>Total Non-OECD</b>									
Oil . . . . .	52.7	63.3	65.1	79.0	84.8	89.9	94.4	99.9	1.6
Natural Gas . . . . .	38.0	44.7	47.2	61.1	69.4	77.6	86.1	94.8	2.6
Coal . . . . .	45.9	51.8	54.8	76.4	86.7	94.2	101.9	110.1	2.6
Nuclear . . . . .	3.1	4.0	4.2	5.5	7.0	8.7	10.0	10.6	3.5
Other . . . . .	10.3	14.6	15.2	23.0	24.9	26.4	28.6	30.8	2.6
<b>Total . . . . .</b>	<b>150.0</b>	<b>178.4</b>	<b>186.4</b>	<b>244.9</b>	<b>272.9</b>	<b>296.8</b>	<b>321.0</b>	<b>346.2</b>	<b>2.3</b>
<b>Total World</b>									
Oil . . . . .	136.1	158.7	162.1	180.5	188.3	194.7	201.1	209.4	1.0
Natural Gas . . . . .	75.2	95.9	99.1	117.5	131.2	143.6	153.8	165.4	1.9
Coal . . . . .	89.4	96.8	100.4	125.2	136.8	145.7	156.0	166.4	1.9
Nuclear . . . . .	20.4	26.7	26.5	28.9	30.8	32.8	33.9	34.6	1.0
Other . . . . .	26.3	32.2	32.7	44.5	46.8	48.8	52.0	54.9	1.9
<b>Total . . . . .</b>	<b>347.3</b>	<b>410.3</b>	<b>420.7</b>	<b>496.5</b>	<b>533.9</b>	<b>565.5</b>	<b>596.8</b>	<b>630.6</b>	<b>1.5</b>

Notes: Energy totals include net imports of coal coke and electricity generated from biomass in the United States. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 2003* (May-July 2005), web site [www.eia.doe.gov/iea/](http://www.eia.doe.gov/iea/). **Projections:** EIA, *Annual Energy Outlook 2006*, DOE/EIA-0383(2006) (Washington, DC, February 2006), AEO2006 National Energy Modeling System, run LM2006.D113005A, web site [www.eia.doe.gov/oiaf/aeo/](http://www.eia.doe.gov/oiaf/aeo/); and System for the Analysis of Global Energy Markets (2006).